





















GenCore version 4.0  
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AM model - nucleic search, using SW model

Run on: October 19, 2000, 15:15:30 - Search time 162.3 seconds

(without alignments)  
298,496 Million cell updates/sec

Files: US SW 904-900 7-copy\_90\_1203

Partial score:

Score: 1114

Search: 1

Search: 1

Search: 1

Search: 1

Search: 1

Search: 1

Search: 1

Search: 1

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Search: 1

Search: 1

Search: 1

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARY

Result	No.	Score	Match	Leath DB	ID	Description
1	1114	8	99.7	1269	16	Porcine alpha (L3)
2	1194.2	99.6	11.8	19	V1315	Porcine alpha (L3)
3	1109.2	99.6	11.0	16	Q93577	Pig alpha-1,3-galactosyl transferase
4	1090.4	92.5	14.3	15	G74712	Galactosyl transferase
5	1093.4	92.5	14.3	17	G12242	Pig alpha(1,3) gal
6	1027.2	92.2	10.92	19	V49454	Porcine alpha-1,3-
7	973.2	87.4	10.5	19	V49455	Porcine alpha-1,3-
8	942.4	83.7	10.29	19	V49456	Porcine alpha-1,3-
9	876	78.1	11.31	16	G04522	Marmoset alpha-1,3
10	807.8	72.5	11.53	15	G74711	Galactosyl transferase
11	725.6	65.1	11.16	16	T04544	Mouse alpha-1,3 gal
12	603.4	59.3	15.06	12	Q13341	BBP-Galactose 6 gal

tDNA encoding glyco  
Murine alpha(1,3)  
Human Hm4 exon 4  
Histo-blood op. A  
Human A transferase  
Baboon B allele IN  
Baboon O allele IN  
Baboon A allele IN  
Partial sequence o  
Clone 12746\_4 enco  
Human secreted pro  
Human secreted pro  
lat4 clone showing  
rat IP3 receptor 4  
Gene encoding a su  
Actinotriton sp. a  
Bacillus viridA(a)  
Maize optimized V  
Maize optimized B  
Maize optimized B  
Maize optimized B  
Maize optimized IN  
Maize optimized IN  
Bacillus viridA(a)  
Maize optimized B  
Maize optimized V  
Maize optimized V  
Maize optimized IN  
Maize optimized IN  
Maize optimized V  
Maize optimized B  
Maize optimized V  
Maize optimized B  
Maize optimized B

ALIGNMENTS

RESULT	1
102892	1.26% standard, value, 1263 bp.
25	102892
26	102892
27	04 JUN 1996 (first entry)
28	Porcine alpha (L3) galactosyltransferase (cDNA)
29	Porcine alpha (L3) galactosyltransferase (cDNA)
30	Porcine alpha (L3) galactosyltransferase (cDNA)
31	Porcine alpha (L3) galactosyltransferase (cDNA)
32	Porcine alpha (L3) galactosyltransferase (cDNA)
33	Porcine alpha (L3) galactosyltransferase (cDNA)
34	Porcine alpha (L3) galactosyltransferase (cDNA)
35	Porcine alpha (L3) galactosyltransferase (cDNA)
36	Porcine alpha (L3) galactosyltransferase (cDNA)
37	Porcine alpha (L3) galactosyltransferase (cDNA)
38	Porcine alpha (L3) galactosyltransferase (cDNA)
39	Porcine alpha (L3) galactosyltransferase (cDNA)
40	Porcine alpha (L3) galactosyltransferase (cDNA)
41	Porcine alpha (L3) galactosyltransferase (cDNA)
42	Porcine alpha (L3) galactosyltransferase (cDNA)
43	Porcine alpha (L3) galactosyltransferase (cDNA)
44	Porcine alpha (L3) galactosyltransferase (cDNA)
45	Porcine alpha (L3) galactosyltransferase (cDNA)

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARY

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8	942.4	83.7	10.29	19	V49456	Porcine alpha-1,3-
9	876	78.1	11.31	16	G04522	Marmoset alpha-1,3
10	807.8	72.5	11.53	15	G74711	Galactosyl transferase
11	725.6	65.1	11.16	16	T04544	Mouse alpha-1,3 gal
12	603.4	59.3	15.06	12	Q13341	BBP-Galactose 6 gal

[illegible][illegible]

















96 500 antitumor activity against tumor cells in mice and rats. J. Natl. Cancer Inst. 81:6  
97 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

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100  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 100
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101  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 117
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217  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 217
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1016  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 1005
1005  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 1005
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367  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 367
1066  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 1115
1115  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 1115

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371  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 371
1116  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 1128
1128  uGluLeuProLeuValAspTyrPheAsnProLeuValAspAsnArg 1128
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seq_documentation_block:
Accession: 14-2 bp 14-2 29 SEP 1999
DEFINITION Sequence 7 from patent US 5849991.
VERSION AR066333.1 GI:5996549
FEATURES
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
Accession: (Accession: 1412)
AUTHORS d'Almeida, A.J.F., Pearce, M.J., Robins, A.J., Crawford, K.J. and
Rathjen, P.D.
TITLE Mice homozygous for an inactivated alpha-1,3-galactosyl
transferase gene
JOURNAL Patent: US 5849991-A 7 15-DEC-1998
FEATURES
SOURCE Location: Qualifiers
1..1412
2..359
BASE COUNT 419 a 290 c 344 g 359 t
ORIGIN

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alignment_scores:
Length: 371
Gaps: 0
Ratio: 5.431
Reference: 100.000
Target: 100.000

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alignment_block:
95-08-984-900-10 x AR066333

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Align seg 1/1 to: AR066333 from: 1 to: 1412

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1 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 17
17 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 17
91 AICAAIGICAAAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 140
17 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 34
34 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 34
141 AATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 190
34 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 50
50 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 50
191 GATATACAGTCAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
51 TTPTPPheProSerTyrPheAsnProLeuValAspAsnArg 67
67 TTPTPPheProSerTyrPheAsnProLeuValAspAsnArg 67
241 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 290
67 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 84
84 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 84
291 AATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 340
84 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 100
100 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 100
341 GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 390
101 ValThrValLeuValAspTyrPheAsnProLeuValAspAsnArg 117
117 ValThrValLeuValAspTyrPheAsnProLeuValAspAsnArg 117
391 GTCAACATACACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 440
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134 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 134
441 CAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 490
134 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 150
150 MetAspValLeuValAspTyrPheAsnProLeuValAspAsnArg 150
491 TACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540

```











Genfore version 4.5  
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db\_mcrs - include search using sw model

Run on: October 19, 2000, 12:17:14 : Search time 2166.23 seconds  
(without alignments)  
1000,100 Million cell updates/sec

Files: us-08-984-900-7

Partition: 1414  
Sequence: 1414

Search: IDENTIFY NUC  
Gap4: 1000, 100 Gapext: 1.0

Sequences: 7189604 seqs, 69140243 residues

14379728

Minimum base length: 3

Maximum base length: 20000000

Post processing: Minimum Match: 9%

Maximum Match: 100%

Listed first 45 summaries

Database: EST:

- 1: db\_est11\*
- 2: db\_est12\*
- 3: db\_est13\*
- 4: db\_est14\*
- 5: db\_est15\*
- 6: db\_est16\*
- 7: db\_est17\*
- 8: db\_est18\*
- 9: db\_est19\*
- 10: db\_est20\*
- 11: db\_est21\*
- 12: db\_est22\*
- 13: db\_est23\*
- 14: db\_est24\*
- 15: db\_est25\*
- 16: db\_est26\*
- 17: db\_est27\*
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- 114: db\_est126\*
- 115: db\_est127\*
- 116: db\_est128\*

Result No.	Score	Query Match	Length	Pos	Id
1	424.8	40.3	524	14	AV604266
2	414.6	29.4	493	22	AV604266
3	380.2	24.4	479	22	AV604266
4	327.8	23.2	475	22	AV604266
5	265.4	16.7	549	19	AV604266
6	211.6	15.3	446	2	AA175441
7	191.8	14.6	1047	123	CNS0402M
8	190.2	11.2	416	98	BE234306
9	188	9.8	552	19	AV604266
10	188	9.8	600	113	AV604266
11	186.6	9.7	424	88	AV604266
12	184.8	9.5	628	113	AV604266
13	174	8.1	490	27	AV604266
14	169.8	7.7	562	34	BE234306
15	164.8	6.9	508	1	AA066078
16	164.4	6.9	518	23	AV604266
17	161.2	5.8	412	12	AV604266
18	157.2	5.6	495	25	AV604266
19	157.9	5.6	473	8	AV604266
20	154.4	5.4	548	19	AV604266
21	154.3	4.9	524	99	AV604266
22	152.2	4.1	457	24	AV604266
23	149	3.5	293	7	AV604266
24	148.6	3.4	464	7	AA066078
25	146.6	3.4	959	121	CNS017-R
26	145.8	3.2	637	122	CNS03607
27	145.6	3.2	274	24	AV604266
28	141.2	3.1	1260	121	CNS01607
29	141	3.1	523	31	BE234306
30	138.8	3.1	559	34	BE234306
31	138.6	3.1	1251	121	CNS01607
32	138.6	3.1	1191	121	CNS0057Y
33	138.1	3.1	404	118	AV604266
34	138.1	3.1	1101	121	CNS00592
35	138.1	3.1	1151	121	CNS00770
36	138.1	3.1	761	23	AV604266
37	138.1	3.1	926	121	CNS0147B
38	137.6	3.0	470	10	AV604266
39	137.6	3.0	618	25	AV604266
40	137.6	3.0	1100	121	CNS01607
41	137.6	3.0	928	121	CNS0147B
42	137.6	3.0	1005	118	BE234306
43	137.6	3.0	661	122	CNS0207Y
44	137.6	2.9	1191	121	CNS00110
45	137.6	2.9	961	121	CNS0018H

SUMMARY

Result No.	Score	Query Match	Length	Pos	Id
1	424.8	40.3	524	14	AV604266
2	414.6	29.4	493	22	AV604266
3	380.2	24.4	479	22	AV604266
4	327.8	23.2	475	22	AV604266
5	265.4	16.7	549	19	AV604266
6	211.6	15.3	446	2	AA175441
7	191.8	14.6	1047	123	CNS0402M
8	190.2	11.2	416	98	BE234306
9	188	9.8	552	19	AV604266
10	188	9.8	600	113	AV604266
11	186.6	9.7	424	88	AV604266
12	184.8	9.5	628	113	AV604266
13	174	8.1	490	27	AV604266
14	169.8	7.7	562	34	BE234306
15	164.8	6.9	508	1	AA066078
16	164.4	6.9	518	23	AV604266
17	161.2	5.8	412	12	AV604266
18	157.2	5.6	495	25	AV604266
19	157.9	5.6	473	8	AV604266
20	154.4	5.4	548	19	AV604266
21	154.3	4.9	524	99	AV604266
22	152.2	4.1	457	24	AV604266
23	149	3.5	293	7	AV604266
24	148.6	3.4	464	7	AA066078
25	146.6	3.4	959	121	CNS017-R
26	145.8	3.2	637	122	CNS03607
27	145.6	3.2	274	24	AV604266
28	141.2	3.1	1260	121	CNS01607
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41	137.6	3.0	928	121	CNS0147B
42	137.6	3.0	1005	118	BE234306
43	137.6	3.0	661	122	CNS0207Y
44	137.6	2.9	1191	121	CNS00110
45	137.6	2.9	961	121	CNS0018H

ALIGNMENTS

Result No.	Score	Query Match	Length	Pos	Id
1	424.8	40.3	524	14	AV604266
2	414.6	29.4	493	22	AV604266
3	380.2	24.4	479	22	AV604266
4	327.8	23.2	475	22	AV604266
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6	211.6	15.3	446	2	AA175441
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8	190.2	11.2	416	98	BE234306
9	188	9.8	552	19	AV604266
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14	169.8	7.7	562	34	BE234306
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18	157.2	5.6	495	25	AV604266
19	157.9	5.6	473	8	AV604266
20	154.4	5.4	548	19	AV604266
21	154.3	4.9	524	99	AV604266
22	152.2	4.1	457	24	AV604266
23	149	3.5	293	7	AV604266
24	148.6	3.4	464	7	AA066078
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44	137.6	2.9	1191	121	CNS00110
45	137.6	2.9	961	121	CNS0018H



















The first part of the paper discusses the importance of understanding the cultural context of the research. It highlights the need for researchers to be sensitive to the values and beliefs of the communities they are studying. This is particularly important in the field of education, where cultural differences can significantly impact learning outcomes.

The second part of the paper focuses on the methodology used in the study. It describes the process of selecting participants, collecting data, and analyzing the results. The authors emphasize the importance of using a mixed-methods approach to gain a comprehensive understanding of the research topic.

The third part of the paper presents the findings of the study. It discusses the results of the quantitative data analysis and the insights gained from the qualitative interviews. The authors conclude that there are significant differences in learning outcomes between the two groups, and these differences can be attributed to cultural factors.

The final part of the paper discusses the implications of the findings for future research and practice. It suggests that educators should be aware of the cultural context of their students and tailor their teaching methods accordingly. Additionally, it calls for further research to explore the role of culture in education more fully.



























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Experiment 1

Stimulus

Response

Feedback

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OPTIONAL: Multiple search, using as input

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2625.113 Million read updates/sec

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score greater than or equal to the score of the result being printed.  
and is derived by analysis of the total score distribution.

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US-08-984-900-7  
Depot No. 584900  
Patent No. 584900

GENERAL INFORMATION:

APPLICANT: 4 Apco, Anthony J.F.

INVENTOR: 4 Apco, Anthony J.F.

ATTORNEY: 4 Apco, Anthony J.F.

ADDRESS: 4 Apco, Anthony J.F.

CITY: Minneapolis

STATE: MN

COUNTRY: USA

ZIP: 55402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

SOFTWARE: Patent in Release #1.0, Version #1.000

FILE NAME: Patent in Release #1.0, Version #1.000

FILE TYPE: Patent in Release #1.0, Version #1.000

FILE DATE: 26-JAN-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Ellinger, Mark S.

ADDRESS: 4 Apco, Anthony J.F.

CITY: Minneapolis

STATE: MN

COUNTRY: USA

ZIP: 55402

INFORMATION FOR SEQ. ID. NO. 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1412 base pairs

TYPE: nucleic acid

STRANDNESS: single

Topology: linear

MOLECULE TYPE: DNA

US-08-984-900-7

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Best Local Similarity: 100.00, Prod. No.: 0  
Matches: 1412, Conserved: 0, Mismatches: 0, Gaps: 0





























1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text outlines various methods for organizing and storing records, including digital databases and physical filing systems. It also mentions the need for regular audits and reviews to ensure the integrity and accuracy of the data.

2. The second part of the document focuses on the role of communication in achieving organizational goals. It highlights the importance of clear and concise communication, both internally and externally. The text provides guidelines for effective communication, such as using appropriate language, listening actively, and providing feedback. It also discusses the benefits of open communication, including improved collaboration and decision-making.

3. The third part of the document addresses the issue of risk management. It defines risk as the potential for loss or damage and explains how to identify, assess, and mitigate risks. The text provides a framework for risk management, including the identification of risks, the assessment of their likelihood and impact, and the implementation of control measures. It also discusses the importance of monitoring and reviewing risks over time.

4. The fourth part of the document discusses the importance of training and development. It emphasizes that ongoing training and development are essential for maintaining a skilled and motivated workforce. The text outlines various training methods, including classroom instruction, on-the-job training, and self-directed learning. It also discusses the importance of setting learning objectives and evaluating the effectiveness of training programs.

5. The fifth part of the document discusses the importance of innovation and creativity. It emphasizes that innovation and creativity are essential for staying competitive in a rapidly changing market. The text provides guidelines for fostering innovation and creativity, such as encouraging open-mindedness, providing resources, and creating a supportive environment. It also discusses the importance of protecting intellectual property and promoting collaboration.

6. The sixth part of the document discusses the importance of sustainability. It defines sustainability as the ability to meet the needs of the present without compromising the ability of future generations to meet their own needs. The text outlines various strategies for achieving sustainability, including reducing environmental impact, promoting social responsibility, and ensuring economic viability. It also discusses the importance of monitoring and reporting on sustainability performance.

7. The seventh part of the document discusses the importance of ethics and integrity. It emphasizes that ethics and integrity are essential for building trust and maintaining a positive reputation. The text provides guidelines for ethical behavior, such as being honest, fair, and respectful. It also discusses the importance of establishing a code of ethics and providing training on ethical issues.

8. The eighth part of the document discusses the importance of leadership. It emphasizes that effective leadership is essential for achieving organizational success. The text outlines various leadership styles, including transformational, transactional, and servant leadership. It also discusses the importance of setting a vision, inspiring others, and providing support.

9. The ninth part of the document discusses the importance of teamwork and collaboration. It emphasizes that teamwork and collaboration are essential for achieving complex tasks and goals. The text provides guidelines for effective teamwork, such as setting clear roles and responsibilities, communicating effectively, and providing feedback. It also discusses the importance of building trust and fostering a positive team culture.

10. The tenth part of the document discusses the importance of change management. It emphasizes that change is a constant in the business world and that effective change management is essential for navigating change successfully. The text outlines various change management models, including the ADKAR model and the Kotter model. It also discusses the importance of communicating the need for change and providing support during the transition.

bioCore version 4.0  
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Post-processing: Minimum Match: 0%

Maximum Match: 100%

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- 116: qb\_qss25\*





















the 1990s, the number of people in the UK who are aged 65 and over has increased by 1.5 million (1990-1999) and is projected to increase by a further 1.5 million by 2010 (Office of National Statistics 2000). The number of people aged 65 and over is projected to increase from 10.5 million in 1999 to 12.5 million in 2010, with the number of people aged 75 and over increasing from 4.5 million to 5.5 million in the same period. The number of people aged 85 and over is projected to increase from 1.5 million to 2.0 million in the same period (Office of National Statistics 2000).

There is a growing awareness of the need to address the health and social care needs of the ageing population. The Department of Health (2000) has identified the need to develop a 'new paradigm' of health and social care for the ageing population. This paradigm is based on the principles of 'active ageing', which is defined as the process of optimising the health, participation and security of older people. The Department of Health (2000) has identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy lifestyles; (2) improving access to health and social care services; (3) promoting social participation; and (4) ensuring financial security.

The Department of Health (2000) has also identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy lifestyles; (2) improving access to health and social care services; (3) promoting social participation; and (4) ensuring financial security. The Department of Health (2000) has also identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy lifestyles; (2) improving access to health and social care services; (3) promoting social participation; and (4) ensuring financial security.

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The Department of Health (2000) has also identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy lifestyles; (2) improving access to health and social care services; (3) promoting social participation; and (4) ensuring financial security. The Department of Health (2000) has also identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy lifestyles; (2) improving access to health and social care services; (3) promoting social participation; and (4) ensuring financial security.















1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text outlines various methods for organizing and storing data, including digital databases and physical filing systems.

2. The second section focuses on the role of technology in modern record management. It highlights how software solutions can streamline processes, reduce errors, and improve accessibility. Examples of specific tools and platforms are provided, along with a discussion on the security measures necessary to protect sensitive information.

3. The third part of the document addresses the challenges associated with long-term data retention. It explores the legal requirements for archiving and the potential risks of data loss or corruption. Recommendations are made for implementing robust backup strategies and for regularly reviewing and updating storage protocols.

4. The final section discusses the importance of training and education for staff involved in record management. It stresses that effective record-keeping is not just a technical task but also a cultural one. Training programs should be designed to ensure that all employees understand their responsibilities and are equipped with the necessary skills to handle records properly.













RESULT 12  
 US 07-752-101A-45  
 Sequence 52, Application 05/0752101A  
 Patent No. 5,206,657  
 GENERAL INFORMATION:  
 APPLICANT: Yamamoto, Pami Ichiro  
 APPLICANT: Kudo, Tadayo  
 APPLICANT: Kameda, Shu Itch  
 APPLICANT: Okamoto, Heiichi  
 TITLE OF INVENTION: APOE GENOTYPING  
 NUMBER OF SEQUENCES: 69  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Seed and Berry  
 STREET: 600 Columbia Center, 701 Fifth Avenue  
 CITY: Seattle  
 STATE: Washington  
 COUNTRY: U.S.  
 ZIP: 98104  
 METHOD OF SUBMISSION: disk  
 METHOD OF DATA: 10/10/89  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent to Release #1.25  
 CURRENT AFFILIATION DATA: Version #1.25  
 FILING DATE: 10/10/89  
 CLASSIFICATION: 435  
 NAME: Sharkey, Richard G.  
 REGISTRATION NUMBER: 42,629  
 REFERENCE/DEPOSIT NUMBER: 150046,406/1  
 TELEPHONE: 206-622-4900  
 TELEFAX: 206-622-6041  
 INDEX: 372,886  
 INFORMATION FOR SEQ ID NO: 62:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 375 amino acids  
 TYPE: AMINO ACID  
 STRAND: SINGLE  
 SOURCE: Synthetic  
 ORGANISM: Homo sapiens  
 TISSUE: Blood  
 CELL TYPE: T-lymphocyte  
 REFERENCE: N  
 ANTI-SENSE: N  
 SEQUENCE TYPE: N-terminal  
 NAME/KEY: Richard G.  
 ORGANISM: Homo sapiens  
 GENE: PAM1  
 GENE INFORMATION: /gene "these amino acids are unknown."  
 US-07-752-101A-45

Query Match 41.79% Score 639; ID 1, Length 475  
 Best Local Similarity 42.18; Prod. No. 2 60 69  
 Matches 146; Conservative 69; Mismatches 14; Indels 40; Gaps 4

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01 017 REFERENCE NUMBER: US/07752101A  
 02 017 REFERENCE NUMBER: US/07752101A  
 03 017 REFERENCE NUMBER: US/07752101A

## RESULT 14

US-07 752 101A 46  
 : Sequence 36, Application US/07752101A  
 : Patent No. 5426697  
 : GENERAL INFORMATION:  
 : APPLICANT: Yamamoto, Fumi Ichiro  
 : APPLICANT: White, Thayer  
 : APPLICANT: Bakumori, Son-Itiroh  
 : APPLICANT: Clauson, Henrik  
 : APPLICANT: Clauson, Henrik  
 : TITLE OF INVENTION: APOGEN-ALYPING  
 : NUMBER OF SEQUENCES: 69  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Seed and Berry  
 : STREET: 6400 Columbia Center, 701 1111h Avenue  
 : CITY: Seattle  
 : STATE: Washington  
 : COUNTRY: U.S.  
 : ZIP: 98104  
 : CURRENT AVAILABLE FROM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC/MS-DOS  
 : SOFTWARE: Patent in release #1.0, Version #1.26  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/07752101A  
 : FILING DATE: 19910629  
 : CLASSIFICATION: 455  
 : NAME: Sharkey, Richard G.  
 : REFERENCE NUMBER: 527629  
 : REFERENCE NUMBER: 160046, 406, 1  
 : TELEPHONE: 206 622 4900  
 : TELEFAX: 206 622 6041  
 : TELEX: 8729846  
 : INFORMATION FOR SEQ ID NO: 51:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 453 amino acids  
 : TYPE: AMINO ACIDS  
 : STRANDEDNESS: single  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: peptide  
 : HYDROPHILIC: No  
 : ANTI-SENSE: No  
 : POSTSCRIPT TYPE: N-terminal  
 : US-07 752 101A 51

Query Match 41.76% Score 625 106 11 Length 454  
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01 017 REFERENCE NUMBER: US/07752101A  
 02 017 REFERENCE NUMBER: US/07752101A  
 03 017 REFERENCE NUMBER: US/07752101A

04 017 REFERENCE NUMBER: US/07752101A  
 05 017 REFERENCE NUMBER: US/07752101A  
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 56 017 REFERENCE NUMBER: US/07752101A  
 57 017 REFERENCE NUMBER: US/07752101A























































Mammalia: Eutheria: Artiodactyla: Bovidae: Bovidae:  
Bovinae: Bovinae: Bos.

1 (bases 1 to 562)

Author(s): Shimokura, Y., Hirotsune, S., Takaseta, A., Ishihara, H., Hirotsune, A., and Suzuki, H.

Title: Bovine cDNA sequence of  
insulin-like growth factor-1 (IGF-1)

Journal: J. Vet. Med. Small Clin. Anim. Clin.

Volume: 75, Issue: 1, Pages: 1-5, 1999

Contract: Yoshikawa, Shinjoh

Animal Genetics Division

Shimokura, Y., Hirotsune, S., Takaseta, A., Ishihara, H., Hirotsune, A., and Suzuki, H.

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ORIGIN:

Species: Sus scrofa  
Eukaryote: Mammalia: Chordata: Cetartiodactyla: Bovidae: Bovidae:  
Mammalia: Chordata: Cetartiodactyla: Bovidae: Bovidae:  
1 (bases 1 to 562)  
Author(s): Shimokura, Y., Hirotsune, S., Takaseta, A., Ishihara, H., Hirotsune, A., and Suzuki, H.

Title:

Bovine cDNA sequence of  
insulin-like growth factor-1 (IGF-1)

Journal:

J. Vet. Med. Small Clin. Anim. Clin.

Volume:

75, Issue: 1, Pages: 1-5, 1999

Contract:

Yoshikawa, Shinjoh

Animal Genetics Division

Shimokura, Y., Hirotsune, S., Takaseta, A., Ishihara, H., Hirotsune, A., and Suzuki, H.

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Fri Oct 20 09:01:05 2000

4341 Lamm Street, Houston, TX 77055, USA

Tel: 713 500 5447

Fax: 713 500 5439

Email: madda@madmimed.org, madda@madmimed.org

Seq. ID: madmimed.org, madmimed.org

Accession: madmimed.org

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1 (bases 1 to 1828)  
 and Shapiro, N.L.  
 bying alpha 1-3 galactosyltransferase: isolation and  
 characterization of a cDNA clone; identification of homologous  
 sequences in human genomic DNA  
 J. Biol. Chem. 264, 14270-14271 (1989)  
 8940943  
 by 0017 and computer readable sequence for (1) kindly provided  
 by D. H. Jones, 15-Aug-1997.  
 Location/Qualifiers  
 1..1828  
 Zymodasm: "bois taurus"  
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Unclassified.  
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[illegible]























Sequence version 2.1  
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EM protein: Protein search, using sw mode 1

Run on: October 19, 2000, 12:09:45 - Search time 14.72 seconds  
(without alignments)  
1999.439 Million cell updates/sec

File: US-08-984-900-10

Protein source: ZILL

Sequence: 1 MRRGQVAVGEMLVVGVVY .....INLVANGKRRVRRV 121

Search filter: B035062

Gapop: 10.0, Gapext: 0.7

Search hit: 142300 scaps, 6440239 residues

Total number of hits satisfying chosen parameters: 142106

Minimum ID seq length: 3

Maximum ID seq length: 203300000

Post processing: Minimum Match 98

Maximum Match 100%

Last hit first 45 summaries

Database: 1

PIR-05:\*

1: P114\*

2: P114\*

3: P114\*

4: P114\*

Note: No. is the number of residues predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the local score distribution.

SUMMARIES

Res ID	Score	Query	Match Length DB	ID	Description
1	175	100.00	371	2	146583
2	175	85.2	356	2	A44755
3	171.5	85.2	376	2	A56496
4	169	78.2	373	2	145606
5	169	74.9	394	2	A34417
6	166	73.8	395	2	P11136
7	165	73.3	353	2	A14916
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9	166	72.6	189	2	P01166
10	164	72.4	179	2	P11134
11	161	72.4	189	2	P01104
12	161	72.4	189	2	P01172
13	161	72.4	189	2	P01174
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19	160	71.4	599	2	A35317
20	160	71.4	1503	2	T18266
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22	160	71.4	441	2	P01167
23	160	71.4	1827	1	P00100
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26	160	71.4	678	2	T24487
27	160	71.4	724	2	C44424
28	160	71.4	593	2	S01654
29	160	71.4	692	2	T41243

ALIGNMENTS

RESULT 1

146583

alpha-1,3-galactosyltransferase - pig

Species: Sus scrofa domestica (domestic pig)

Calculated: 21-Feb-1997 #sequence\_revision 21 Feb-1997 #ext\_change 29-Sep-1999

C.Accession: 146583

Immunoglobulins 41, 101-105, 1995

Author: cDNA Sequence and chromosome localization of pig alpha 1,3-galactosyltransferase

Accession number: 146583; M011095104914

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1 CLASSIFICATION: 424
2 ALL FAMILY MEMBERS: 100%
3 NAME: Mchard, Daniel A.
4 REGISTRATION NUMBER: 10,480
5 REFERENCE/DOCKET NUMBER: 8760 2 111
6 TITLE: MCHARD, D. A. S. MACHARD, D.
7
8 REFERENCE: (215) 568-6383
9
10 REFERENCE: (215) 568-6383
11
12 INFORMATION FOR SEQ ID NO: 3:
13 SEQUENCE CHARACTERISTICS:
14 LENGTH: 1131 base pairs
15 TYPE: nucleic acid
16 STRANDEDNESS: double
17 ORIENTATION: forward
18
19 Molecule TYPE: cDNA
20 SEQ ID NO: 548
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[illegible]





















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322.1	281.7	329	AR06	



1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text outlines various methods for organizing and storing data, including digital databases and physical filing systems. It also mentions the need for regular audits and reviews to ensure the integrity of the information.

2. The second section focuses on the role of communication in achieving organizational goals. It highlights that effective communication is a key factor in building a cohesive team and fostering a positive work environment. The text provides practical advice on how to improve communication skills, such as active listening, clear articulation of ideas, and the use of appropriate communication channels. It also discusses the importance of maintaining open lines of communication between all levels of the organization.

3. The third part of the document addresses the challenges of managing time and resources efficiently. It notes that time is a finite resource, and therefore, it is crucial to prioritize tasks and allocate resources wisely. The text offers strategies for time management, including creating a schedule, delegating responsibilities, and avoiding multitasking. It also discusses the importance of monitoring and controlling resources to prevent waste and ensure that the organization's objectives are met within the allocated budget.

4. The final section discusses the importance of continuous learning and development. It states that in a rapidly changing world, organizations must invest in the growth and development of their employees to remain competitive. The text outlines various methods for providing training and development opportunities, such as workshops, seminars, and on-the-job training. It also emphasizes the need for a culture of learning, where employees are encouraged to seek out new knowledge and skills and share their expertise with others.

















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